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DATE MAILED: 03/25/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,485	11/25/2003	Robert Weger	BOE01 040	4361
75	90 03/25/2005		EXAM	INER
DUANE MORRIS LLP			NGUYEN, TUYEN T	
Suite 700 1667 K Street, N.W.			ART UNIT	PAPER NUMBER
Washington, DC 20006			2832	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/720,485	WEGER, ROBERT				
Office Action Summary	Examiner	Art Unit				
	TUYEN T. NGUYEN	2832				
The MAILING DATE of this communication appeared for Reply	opears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	l. 1.136(a). In no event, however, may a rep iply within the statutory minimum of thirty (d will apply and will expire SIX (6) MONTI Ite, cause the application to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	•					
<u> </u>	is action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 1-12 is/are pending in the applicatio 4a) Of the above claim(s) is/are withdrest is/are allowed. 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-12 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/	awn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Examir	ner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the		` ,				
Replacement drawing sheet(s) including the corre						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	nts have been received. nts have been received in Apports documents have been read (PCT Rule 17.2(a)).	plication No eceived in this National Stage				
Attachment(s)	·					
1) Notice of References Cited (PTO-892)	4) Interview Sur	mmary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 4/22/2004.	Paper No(s)/l 3) 5) Notice of Info 6) Other:	Mail Date wmal Patent Application (PTO-152) .				

Art Unit: 2832

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2 and 5-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Barrett [US 5,737,203].

Barrett discloses a toroidal structure [figure 3G] comprising:

- two separate identical toroidal cores [70, 72], wherein the toroidal cores arranged next to each other in such a way that their axes of symmetry are in line;
- at two working windings [60, 62, 64, 66] wound about the toroidal cores, wherein the working winding evenly distributed around the periphery of the respective toroidal core and connected in series; and
 - a control winding [68] wound about the toroidal cores.

Barrett inherently discloses the windings, each formed from a single insulated wire.

Regarding claim 8, Barrett inherently discloses the working windings have essentially the same number of turns and identical wire thicknesses.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Barrett in view of Schafer [US 2004/0140879 A1].

Barrett discloses the instant claimed invention except for the toroidal cores arranged in a common plane.

Schafer discloses a toroidal transformer comprising two toroidal cores [1, 2] arranged in a common plane.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to arrange the toroidal cores of Barrett in a common plane, as suggested by Schafer, for the purpose of reducing height.

Claims 3 and 9-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barrett in view of Conway [US 5,012,125].

Barrett discloses the instant claimed invention except for the specific type of wires for the windings.

Conway discloses a toroidal transformer [figure 7] comprising a toroidal core [121] and at least one winding [131, 132] wound about the toroidal core, wherein the winding formed of litz wire.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use litz wire for the winding of Barrett, as suggested by Conway, for the purpose of providing shielding.

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The specific arrangement of the winding, connections of the windings, thickness of the wire of the windings would have been an obvious design consideration based on the intended

applications/environment used and for the purpose of control the inductance.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Gilmore et al. [US 6,617,950]; Thuis [US 5,331,271]; Shikano et al. [US 4,806,896];

Cirkel et al. [US 4,763,093]; Brock [US 4,129,820]; Bross [US 3,913,583] and Leppert [US

3,739,255].

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to TUYEN T. NGUYEN whose telephone number is 571-272-1996.

The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, ELVIN ENAD can be reached on 571-272-1990. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTN FW

Tayla T. Nguyla